

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please cancel claims 1-25 and add new claims 26-50 in accordance with the following:

1-25 (Cancelled)

26. (New) A method for clustering a plurality of users in a mobile network, comprising:
 assigning each user a specific profile containing data about said user and at least one constraint;
 performing a direct data interchange between at least two users as soon as they are in a specified communication zone; and
 clustering users within the same communication zone, based on the data and constraints of their profiles.

27. (New) The method according to claim 26,
 wherein the communication zone is defined by forming at least one user cluster, each cluster having an initiator user and a plurality of other users.

28. (New) The method according to claim 27,
 wherein a user cluster has a size that is equal to or larger than a communication range of an individual user.

29. (New) The method according to claim 27,
 wherein for each cluster, the initiator user causes a communication topology to be formed.

30. (New) The method according to claim 29,
 wherein the communication topology is formed as a tree or ring structure.

31. (New) The method according to claim 27, wherein individual users are connected through a communication path that involves passing a signal through intermediate users, and the communication path is defined to have a maximum number of intermediate users.

32. (New) The method according to claim 27, wherein each user is assigned to a single cluster.

33. (New) The method according to claim 32, wherein each user decides autonomously to which cluster he belongs.

34. (New) The method according to claim 27, wherein the user cluster is redefined if a new user not hitherto belonging to the cluster is identified within the particular communication zone and the new user has a profile relevant to the user cluster.

35. (New) The method according to claim 26, wherein users with similar profiles are grouped in the same cluster.

36. (New) The method according to claim 26, wherein each user defines his profile and the at least one constraint, and the constraint specifies the type of users to which the user wants to be clustered.

37. (New) The method according to claim 26, wherein the profiles are exchanged for analysis between users within a cluster.

38. (New) The method according to claim 37, wherein the profiles are exchanged by exchanging, data user-by-user.

39. (New) The method according to claim 37, wherein a communication topology is defined for data exchange and the profiles are exchanged according to the communication topology.

40. (New) The method according to claim 26, wherein users are clustered according to a common characteristic, and each user in the cluster is informed of the common characteristic.

41. (New) The method according to claim 26, wherein the users communicate without the interposition of a central switching entity.

42. (New) The method according to claim 26, wherein an initiator user specifies attributes of desirable users, the initiator user is clustered with the desirable users, and the users in the cluster are identified to one another.

43. (New) A device for clustering a plurality of users (1) in mobile networks, wherein each user (1) is assigned a specific profile (2) containing profile data and at least one constraint, data exchange taking place between at least two users (1) as soon as they are in a specified communication zone (3) in order to find users (1) with profiles (2) of a specified content, taking the constraints into account, in the specified communication zone (3).

44. (New) A device according to claim 43, wherein it has an interface for wireless data transfer.

45. (New) A device according to claim 43, wherein data is exchanged directly between two users each case.

46. (New) A device according to one of 43, wherein it is a mobile telecommunication terminal, a pocket PC, a portable computer or a means of transportation.

47. (New) A device according to one of, wherein it has a computing unit for comparing its own profile or profile group with the profile or profile group of another user.

48. (New) A device according to claim 18 which has a computer program that can be run on a computer.

49. (New) A device according to claim 46,
wherein the computer program is stored on a computer-readable data media.

50. (New) A device according to claim 43 with program coding means stored on a
machine-readable media.

51. (New) A method for clustering a plurality of users in a mobile network, comprising;
specifying attributes of desirable users, the attributes being specified at an initiator
mobile terminal in an ad hoc communication network;
searching for users having the attributes specified by the initiator user;
clustering together users having the attributes specified by the initiator users, to thereby
form a user cluster; and
providing the users or the user cluster with information regarding other users within the
same cluster.

52. (New) A computer readable medium storing a computer program to execute a
method for clustering a plurality of users in a mobile network, the method comprising;
assigning each user a specific profile containing data about said user and at least one
constraint;
performing a direct data interchange between at least two users as soon as they are in a
specified communication zone; and
clustering users within the same communication zone, based on the data and constraints
of their profiles.
assigning each user a specific profile containing data about said user and at least one
constraint.